

----- Forwarded by Dana Davoli/R10/USEPA/US on 09/22/2009 10:50 AM -----

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09/22/2009 10:07 AM

To Marcia Bailey/R10/USEPA/US@EPA, Dana Davoli/R10/USEPA/US@EPA, "Mike Poulsen" <mike.poulsen@state.or.us>
cc
Subject Key for shorthand in Haddad data forthcoming
ct

I called Sami back to ask about the shorthand and units for columns R to the end in the data set he sent us. He said he will verify by the end of tomorrow, but his recollection is that C1m = simulated milk concentration in the first month in ug/kg lipid, AUC = Area under the curve for the same. Cord would be simulated cord blood and Cmax is the maximum milk concentration simulated for the individual. Like I said, Haddad is double checking to verify all of that. I asked him about measured values, and he referred me to figure 3 of the 2009 Verner EHP paper to say that the simulated values essentially equal the measured value for each individual. With an R value of 0.96, I'd say it's hard to argue that point.

----- Forwarded by Dana Davoli/R10/USEPA/US on 09/22/2009 10:51 AM -----

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09/22/2009 08:43 AM

To Marcia Bailey/R10/USEPA/US@EPA, "Clem Welsh" <cqw9@cdc.gov>, Dana Davoli/R10/USEPA/US@EPA, "Mike Poulsen" <mike.poulsen@state.or.us>
cc
Subject Haddad data
ct

Hey everyone,

Please find Dr. Haddad's data attached. He suggested that we look over the data, talk about it amongst ourselves, and then call him back with questions. The pertinent data that I've noticed so far that are included here: mother's blood concentration, back-calculated mother's oral daily dose in ug/kg bw/day, concentrations in breast milk at various time points, Area under the curve at various time points, simulations of those. This data set does not include a simulated daily dose to infant, but he said that he could run that for up to 10 individuals (not all 185 people because that would be a ton of work and involve building a new macro). So we should look this over, organize our questions, Choose the 10 or less individuals for which we would like to run the simulation of average daily dose to infant, and call Dr. Haddad together.

This is pretty cool, guys!

Let me know when you've had a chance and are available to talk.



Dave Haddad measured vs simulations.xls